



SEQUENCE LISTING

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<120> Polyglucan And Polyglucan Derivatives Which Can Be Obtained From Amylosucrase By Biocatalytic Production In The Presence Of Biogenic Substances

<130> 29988/AX98115

<140> 09/807,146

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<160> 1

<170> PatentIn version 3.0

<210> 1

<211> 636

<212> PRT

<213> Neisseria polysaccharea

<400> 1

Met Leu Thr Pro Thr Gln Gln Val Gly Leu Ile Leu Gln Tyr Leu Lys
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Thr Arg Ile Leu Asp Ile Tyr Thr Pro Glu Gln Arg Ala Gly Ile Glu
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Lys Ser Glu Asp Trp Arg Gln Phe Ser Arg Arg Met Asp Thr His Phe
35 40 45

Pro Lys Leu Met Asn Glu Leu Asp Ser Val Tyr Gly Asn Asn Glu Ala
 50 55 60
 Leu Leu Pro Met Leu Glu Met Leu Leu Ala Gln Ala Trp Gln Ser Tyr
 65 70 75 80
 Ser Gln Arg Asn Ser Ser Leu Lys Asp Ile Asp Ile Ala Arg Glu Asn
 85 90 95
 Asn Pro Asp Trp Ile Leu Ser Asn Lys Gln Val Gly Gly Val Cys Tyr
 100 105 110
 Val Asp Leu Phe Ala Gly Asp Leu Lys Gly Leu Lys Asp Lys Ile Pro
 115 120 125
 Tyr Phe Gln Glu Leu Gly Leu Thr Tyr Leu His Leu Met Pro Leu Phe
 130 135 140
 Lys Cys Pro Glu Gly Lys Ser Asp Gly Gly Tyr Ala Val Ser Ser Tyr
 145 150 155 160
 Arg Asp Val Asn Pro Ala Leu Gly Thr Ile Gly Asp Leu Arg Glu Val
 165 170 175
 Ile Ala Ala Leu His Glu Ala Gly Ile Ser Ala Val Val Asp Phe Ile
 180 185 190
 Phe Asn His Thr Ser Asn Glu His Glu Trp Ala Gln Arg Cys Ala Ala
 195 200 205
 Gly Asp Pro Leu Phe Asp Asn Phe Tyr Tyr Ile Phe Pro Asp Arg Arg
 210 215 220
 Met Pro Asp Gln Tyr Asp Arg Thr Leu Arg Glu Ile Phe Pro Asp Gln
 225 230 235 240
 His Pro Gly Gly Phe Ser Gln Leu Glu Asp Gly Arg Trp Val Trp Thr
 245 250 255
 Thr Phe Asn Ser Phe Gln Trp Asp Leu Asn Tyr Ser Asn Pro Trp Val
 260 265 270
 Phe Arg Ala Met Ala Gly Glu Met Leu Phe Leu Ala Asn Leu Gly Val
 275 280 285
 Asp Ile Leu Arg Met Asp Ala Val Ala Phe Ile Trp Lys Gln Met Gly
 290 295 300
 Thr Ser Cys Glu Asn Leu Pro Gln Ala His Ala Leu Ile Arg Ala Phe
 305 310 315 320
 Asn Ala Val Met Arg Ile Ala Ala Pro Ala Val Phe Phe Lys Ser Glu
 325 330 335
 Ala Ile Val His Pro Asp Gln Val Val Gln Tyr Ile Gly Gln Asp Glu
 340 345 350
 Cys Gln Ile Gly Tyr Asn Pro Leu Gln Met Ala Leu Leu Trp Asn Thr
 355 360 365

Leu Ala Thr Arg Glu Val Asn Leu Leu His Gln Ala Leu Thr Tyr Arg
 370 375 380
 His Asn Leu Pro Glu His Thr Ala Trp Val Asn Tyr Val Arg Ser His
 385 390 395 400
 Asp Asp Ile Gly Trp Thr Phe Ala Asp Glu Asp Ala Ala Tyr Leu Gly
 405 410 415
 Ile Ser Gly Tyr Asp His Arg Gln Phe Leu Asn Arg Phe Phe Val Asn
 420 425 430
 Arg Phe Asp Gly Ser Phe Ala Arg Gly Val Pro Phe Gln Tyr Asn Pro
 435 440 445
 Ser Thr Gly Asp Cys Arg Val Ser Gly Thr Ala Ala Ala Leu Val Gly
 450 455 460
 Leu Ala Gln Asp Asp Pro His Ala Val Asp Arg Ile Lys Leu Leu Tyr
 465 470 475 480
 Ser Ile Ala Leu Ser Thr Gly Gly Leu Pro Leu Ile Tyr Leu Gly Asp
 485 490 495
 Glu Val Gly Thr Leu Asn Asp Asp Asp Trp Ser Gln Asp Ser Asn Lys
 500 505 510
 Ser Asp Asp Ser Arg Trp Ala His Arg Pro Arg Tyr Asn Glu Ala Leu
 515 520 525
 Tyr Ala Gln Arg Asn Asp Pro Ser Thr Ala Ala Gly Gln Ile Tyr Gln
 530 535 540
 Gly Leu Arg His Met Ile Ala Val Arg Gln Ser Asn Pro Arg Phe Asp
 545 550 555 560
 Gly Gly Arg Leu Val Thr Phe Asn Thr Asn Asn Lys His Ile Ile Gly
 565 570 575
 Tyr Ile Arg Asn Asn Ala Leu Leu Ala Phe Gly Asn Phe Ser Glu Tyr
 580 585 590
 Pro Gln Thr Val Thr Ala His Thr Leu Gln Ala Met Pro Phe Lys Ala
 595 600 605
 His Asp Leu Ile Gly Gly Lys Thr Val Ser Leu Asn Gln Asp Leu Thr
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 Leu Gln Pro Tyr Gln Val Met Trp Leu Glu Ile Ala
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